

XhoI AseI  
 1 CTCGAGAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACCCCAGGCTTTACACTTTAT  
 EcoRI RBS  
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 PelB leader AlwNI NcoI Serum A  
 157 CATGAAATACCTATTGCCTACGGCAGCCGCTGGCTTGCTGCTGCTGGCAGCTCAGCCGCCATGGCGCAGGTGCAGCTG  
 1 MetAlaGlnValGlnLeu  
 VH anti-CD16 EcoRV  
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 CDR-H1 EcoRV CDR-H2  
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 391 TATACTAACTACAATGAGAAATCAAGGCCAAGCCACAGTGAAGTGCAGACACATCCTCCAGAACTGCCTACGTGCAG  
 59 TyrThrAsnTyrAsnGluLysPheLysGlyLysAlaThrValThrAlaAspThrSerSerArgThrAlaTyrValGln  
 CDR-H3  
 469 GTCAGGAGCCTGACATCTGAGGACTCTGCTGTCTATTTCTGTGCAAGATCCGGCTAGCTGGTACTTCCATGTCTGGGGC  
 85 ValArgSerLeuThrSerGluAspSerAlaValTyrPheCysAlaArgSerAlaSerTrpTyrPheAspValTrpGly  
 CH1 HindIII Linker EcoRV  
 547 GCACGGACTACGGTCACCGTCTCCTCAGCCAAAACAACACCCAAGCTTGGCGGTGATATCGAGCTCACTCAGTCTCCA  
 111 AlaArgThrThrValThrValSerSerAlaLysThrThrProLysLeuGlyGlyAspIleGluLeuThrGlnSerPro  
 VL anti-CD30  
 625 AAATTCATGTCCACATCAGTAGGAGACAGGGTCAACGTCACCTACAAGGCCAGTCAGAATGTGGGTACTAATGTAGCC  
 137 LysPheMetSerThrSerValGlyAspArgValAsnValThrTyrLysAlaSerGlnAsnValGlyThrAsnValAla  
 703 TGGTTTCAACAAAACCAGGGCAATCTCCTAAAGTTCTGATTACTCGGCATCTTACCGATACAGTGGAGTCCCTGAT  
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 C kappa NotI  
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 BamHI c-myc epitope His6 tail BglII  
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 RBS Pel B leader NcoI  
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 CH1  
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 102 AlaAspTyrGlyAsnTyrGluTyrThrTrpPheAlaTyrTrpGlyGlnGlyThrThrValThrValSerSerAlaLys  
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 1560 AGTCACACTCACTTGTGCGCTCAAATACTGGGACTGTTACAAGTAACTATGCCAACTGGGTCCAAGAAAAACCAGA  
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 NotI BamHI  
 1794 CAACCATTTGGGTGTTTCGGTGGAGGAACCAAACTGACTGTCCTAGGCCAGCCCAAGTCTGCGGCCGCTGGATCCGAACA  
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Fig. 1

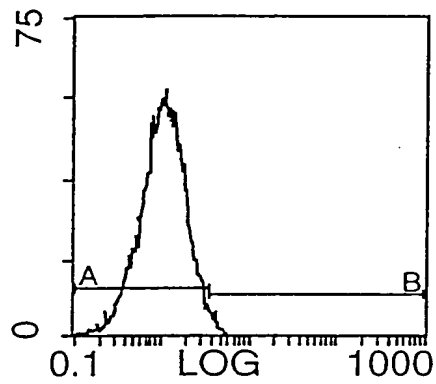
*c-myc epitope* His6 tail XbaI BclI NheI  
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 HpaI  
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 Sall Earl PvuI FspI BglI  
 2028 GTCGACCTGGCGTAATAGCGAAGAGGCCCGCACCGATCGCCCTTCCCAACAGTTGCGCAGCCCTGAATGGCGAATGGGA  
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 f1 IR DralI  
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 SspI Earl  
 2652 CCCTGATAAATGCTTCAATAATATTGAAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCCTTT  
 ApaI  
 2730 TTTGCGGCATTTTGCCTTCCTGTTTTTGCTCAGCCAGAAACGCTGGTGAAAGTAAAAGATGCTGAAGATCAGTTGGGT  
 XmnI  
 2808 GCACGAGTGGGTTACATCGAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCGCCCGAAGAACGTTTTCCA  
 DraI  
 2886 ATGATGAGCACTTTTAAAGTTCTGCTATGTGGCGCGGTATTATCCGTATTGACGCCGGGCAAGAGCAACTCGGTGCG  
 Scal 1 0 0 0  
 2964 CGCATACACTATTCTCAGAATGACTTGGTTGAGTACTACCAGTCACAGAAAAGCATCTTACGGATGGCATGACAGTA  
 **$\beta$ -Lactamase** PvuI  
 3042 AGAGAATTATGCAGTGCTGCCATAACCATGAGTGATAACACTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCG  
 3120 AAGGAGCTAACCCTTTTTTGCAACAACATGGGGGATCATGTAACCTCGCCTTGATCGTTGGGAACCGGAGCTGAATGAA  
 FspI  
 3198 GCCATACCAAACGACGAGCGTGACACCACGATGCCTGTAGCAATGGCAACAACGTTGCGCAAACCTATTAACCTGGCGAA  
 AseI  
 3276 CTACTTACTCTAGCTTCCCGGCAACAATTAATAGACTGGATGGAGGCGGATAAAAGTTGCAGGACCACCTTCTGCGCTCG  
 BglI BsaI  
 3354 GCCCTTCCGGCTGGCTGGTTTTATTGCTGATAAATCTGGAGCCGGTGAGCGTGGGTCTCGCGGTATCATTGCAGCACTG  
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 3510 CAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATTTGGTAACTGTCAGACCAAGTTTACTCATATATACTTTAGATT  
 DraI DraI BspHI  
 3588 GATTTAAAACTTCATTTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTTGATAATCTCATGACCAAAATCCCTTAA  
 3666 CGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTCTGCGC  
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 AlwNI  
 3900 TTCAAGAACTCTGTAGCACCGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCTGCCAGTGGCGATAAG  
 ColE1 2 0 0 0 ApaLI  
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 4368 ATGTTCTTTCTGCGTTATCCCTGATTCTGTGGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCGCTCGCCGC  
 Earl  
 4446 AGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGAGGAAGCGGAAGAGCGCCCAATACGCAAACCGCTCTCCCCGCG  
 AseI BspMI  
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Fig. 1 (cont'd)

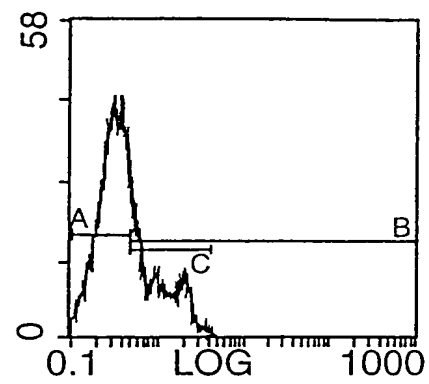
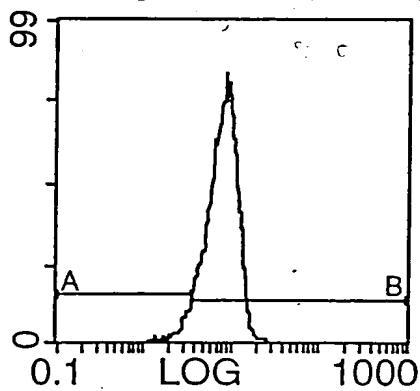
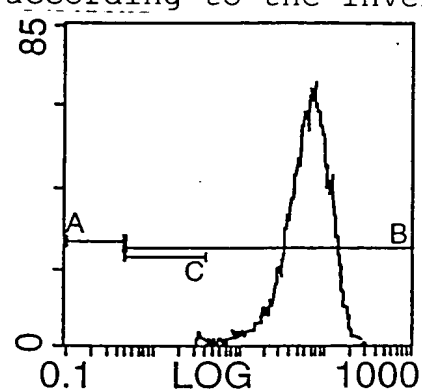
Fig. 2

Granulocytes (CD16<sup>+</sup>)L540CY cells (CD30<sup>+</sup>)

Neg. Control



Neg. Control

F<sub>v</sub> antibody construct  
according to the inventionF<sub>v</sub> antibody construct  
according to the invention

Fluorescence Intensity

Fig. 3

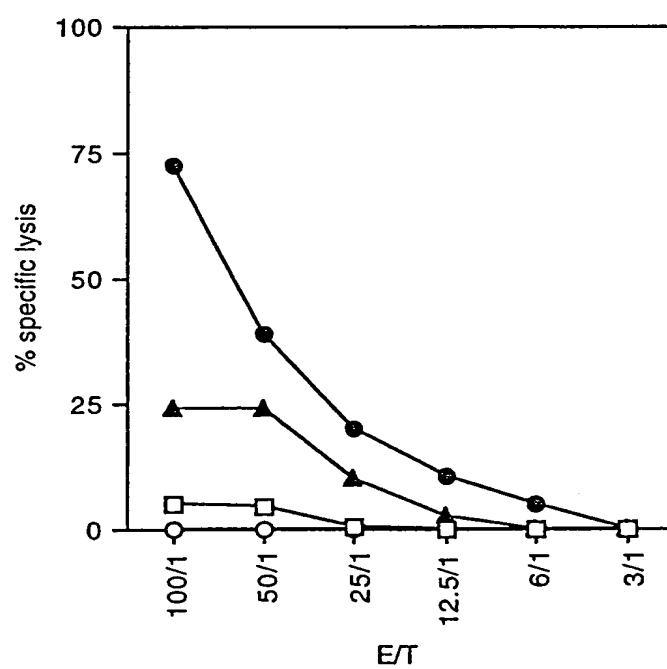


Fig. 4

